Claims:

1.-8. (canceled)

9. (currently amended) A gas turbine having a compressor, comprising:

a compressor housing coaxially surrounding the compressor ~~and defining;~~

a cavity in the housing configured to thermally influence the housing, and

a tap line in flow communication with the cavity for extracting a portion of a compressed fluid flow of the compressor; and

a locking device arranged in line with the tap line and downstream of the cavity that locks off the extracted compressed flow through the tap line.

10. (previously presented) The gas turbine as claimed in claim 9, wherein the locking device is a valve.

11. (previously presented) The gas turbine as claimed in claim 9, wherein the tap line has an entrance and an exit and further comprising a second locking device arranged between the tap line entrance and the cavity that locks off the extracted compressed flow into the cavity.

12. (previously presented) The gas turbine as claimed in claim 11, wherein the second locking device is a valve.

13. (canceled)

14. (currently amended) An axial flow compressor configured for operation with a gas turbine engine, comprising:

a compressor rotor arranged along an axis of the compressor;

a plurality of compressor blades arranged on the rotor in axial stages;

a compressor housing coaxially surrounding the rotor ~~and defining;~~

a cavity in the housing configured to thermally ~~influence~~ insulate the housing, and

a tap line in flow communication with the cavity for extracting a portion of a compressed fluid flow of the compressor; and

a plurality of stationary compressor blades secured to the housing arranged in axial stages;

a locking element arranged in ~~line with~~ the tap line downstream of the cavity to block off the flow of removed air.

15. (previously presented) The compressor as claimed in claim 14, wherein the locking device is a valve.

16. (previously presented) The compressor as claimed in claim 14, wherein the tap line has an entrance and an exit and further comprising a second locking device arranged between the tap line entrance and the cavity that locks off the extracted compressed flow into the cavity.

17. (previously presented) The gas turbine as claimed in claim 16, wherein the second locking device is a valve.

18. (new) The gas turbine as claimed in claim 10, wherein the cavity extends downstream from the tap, within the housing, over at least two rows of the compressor blades.

19. (new) The gas turbine as claimed in claim 18, wherein the cavity is radially larger at a downstream end thereof than at an upstream end thereof.

20. (new) The gas turbine as claimed in claim 15, wherein the cavity extends downstream from the tap, within the housing, over at least two rows of the compressor blades.

21. (new) The gas turbine as claimed in claim 20, wherein the cavity is radially larger at a downstream end thereof than at an upstream end thereof.

22. (new) The gas turbine as claimed in claim 15, wherein the valve is open during operation of the gas turbine, and is closed or partially closed during a shutdown of the gas turbine.